**Course: \_\_\_7\_\_\_\_\_\_\_\_ CCSS Standard Number(s): \_**7.NS.2a **\_\_\_\_\_\_\_\_\_\_\_\_\_ Day: \_\_\_\_\_\_\_\_\_\_\_**

**Unit # and Title: \_\_Multiplying Fractions\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Block(s)/Period(s): 1 2 3 4 5 6**

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| **Unit Essential Question(s):** | **What does it mean to multiply fractions?** | | |
| **Learning Target(s)**  **“I can statements”** | * I can use properties of operations to multiply rational numbers. | | |
| **Essential Vocabulary** | **Numerator, denominator, product** | | |
| **Resources and Materials** | **Teacher** | | **Student** |
| **Bottle, water, paper** | |  |
| **8 Mathematical Practices:** | | | |
| 1. Make sense of problems and persevere in solving them.  2. Reason abstractly and quantitatively.  3. Construct viable arguments and critique the reasoning of others.  4. Model with mathematics. | | 5. Use appropriate tools strategically.  6. Attend to precision.  7. Look for and make use of structure.  8. Look for and express regularity in repeated reasoning. | |
| **Activating Strategy**  **(Opening Activity)** |  | | |
| **Cognitive Teaching Strategies**  **Me/We/Few/You**  **(TIP-Teacher input**  **SAP-Student actively participates**  **GP – Guided Practice**  **IP-Independent Practice)** | **Bottle activity: Divide bottle into fourths. Write ½ x 1 on board. Explain that this is read “one-half of 1 whole.” Fill bottle. Ask a volunteer to represent ½ x 1 by pouring out water.**  **Write ½ x 1/2 . Ask how should this expression be read. (one half of one half of one whole). Ask for volunteer to pour out enough water to represent the expression.**  **Water should be at ¼ mark. Discuss result with class. Be sure that students understand that we have seen that ½ x1/2 of the water gave us ¼ the amount of water we started with.**  **Explain that by multiplying numerator x numerator, and denominator x denominator will give us an answer of ¼.**  **Paper folding activity in BIM 6th grade 2.3**  **Inductive reasoning BIM 6th grade Inductive Reasoning page 57.**  **BIM 6th grade page 60.** | | |
| **Summarizing Strategy**  **(Closing Activity)** |  | | |
| **Assessment/Homework** | **Math Drills Fraction Worksheet.** | | |
| **Extending/Refining** |  | | |